

REPORT NO.

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SUPPLEMENT TO
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1. The material-testing station of the shipyard in Petrozavodsk (61°49'N/34°20'E), Karelo-Finnish S.S.R., was established early in 1949. There was one Brinell and one Rockwell testing press for mechanical testing of materials, in addition to other testing machines. An X-ray apparatus for testing welds, packed in boxes, arrived from the Soviet Zone of Germany shortly before the PW left the place. All equipment was of German origin. *
2. The chemical testing station was installed in May 1949. A hardening and cementing section also were available.
3. Poktanov (fnu), a mechanical engineer, was in charge of the testing station. He was not an expert and was forced to use German and American technical literature for his work. Two women who were specialists in paints and fats but who had little experience in iron analysis worked in the chemical and mechanical sections. German PWs made chemical solutions.
4. The Brinell hardness of shipbuilding and bolt and screw material ranged from 250 to 350, that of nuts and drills from 200 to 250. Their Rockwell hardness was 35 and over, and the Rockwell hardness of the machine tools examined ranged from 60 to 65. **

25X1A* Comment. It is considered exceptional that a shipyard like the Petrozavodsk yard should have such a material-testing station. Its existence could only be accounted for if the semifinished products, such as the steel supply, were so different in quality as to need permanent control, or its installation was due to schematic interpretations of instructions issued by superior authorities.

25X1A* Comment. The degrees of hardness cannot be interpreted for lack of data indicating, for example, the diameter of balls and the pressure and its duration, as well as because of the absence of standard scale. For data on steel analysis, see Index.

1 annex: list

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